

[illegible]

[illegible]

1000	1000
800	800
600	600
400	400
200	200
100	100
50	50
25	25
12.5	12.5
6.25	6.25
3.125	3.125
1.5625	1.5625
0.78125	0.78125
0.390625	0.390625
0.1953125	0.1953125
0.09765625	0.09765625
0.048828125	0.048828125
0.0244140625	0.0244140625
0.01220703125	0.01220703125
0.006103515625	0.006103515625
0.0030517578125	0.0030517578125
0.00152587890625	0.00152587890625
0.000762939453125	0.000762939453125
0.0003814697265625	0.0003814697265625
0.00019073486328125	0.00019073486328125
9.5367431640625E-05	9.5367431640625E-05
4.76837158203125E-05	4.76837158203125E-05
2.384185791015625E-05	2.384185791015625E-05
1.1920928955078125E-05	1.1920928955078125E-05
5.9604644775390625E-06	5.9604644775390625E-06
2.9802322387695312E-06	2.9802322387695312E-06
1.4901161193847656E-06	1.4901161193847656E-06
7.450580596923828E-07	7.450580596923828E-07
3.725290298461914E-07	3.725290298461914E-07
1.862645149230957E-07	1.862645149230957E-07
9.313225746154785E-08	9.313225746154785E-08
4.656612873077392E-08	4.656612873077392E-08
2.328306436538696E-08	2.328306436538696E-08
1.164153218269348E-08	1.164153218269348E-08
5.82076609134674E-09	5.82076609134674E-09
2.91038304567337E-09	2.91038304567337E-09
1.455191522836685E-09	1.455191522836685E-09
7.275957614183425E-10	7.275957614183425E-10
3.637978807091712E-10	3.637978807091712E-10
1.818989403545856E-10	1.818989403545856E-10
9.09494701772928E-11	9.09494701772928E-11
4.54747350886464E-11	4.54747350886464E-11
2.27373675443232E-11	2.27373675443232E-11
1.13686837721616E-11	1.13686837721616E-11
5.6843418860808E-12	5.6843418860808E-12
2.8421709430404E-12	2.8421709430404E-12
1.4210854715202E-12	1.4210854715202E-12
7.105427357601E-13	7.105427357601E-13
3.5527136788005E-13	3.5527136788005E-13
1.77635683940025E-13	1.77635683940025E-13
8.88178419700125E-14	8.88178419700125E-14
4.440892098500625E-14	4.440892098500625E-14
2.220446049250312E-14	2.220446049250312E-14
1.110223024625156E-14	1.110223024625156E-14
5.55111512312578E-15	5.55111512312578E-15
2.77555756156289E-15	2.77555756156289E-15
1.387778780781445E-15	1.387778780781445E-15
6.93889390390722E-16	6.93889390390722E-16
3.46944695195361E-16	3.46944695195361E-16
1.734723475976805E-16	1.734723475976805E-16
8.673617379884025E-17	8.673617379884025E-17
4.336808689942012E-17	4.336808689942012E-17
2.168404344971006E-17	2.168404344971006E-17
1.084202172485503E-17	1.084202172485503E-17
5.421010862427515E-18	5.421010862427515E-18
2.710505431213757E-18	2.710505431213757E-18
1.355252715606879E-18	1.355252715606879E-18
6.776263578034395E-19	6.776263578034395E-19
3.388131789017197E-19	3.388131789017197E-19
1.694065894508599E-19	1.694065894508599E-19
8.47032947254299E-20	8.47032947254299E-20
4.235164736271495E-20	4.235164736271495E-20
2.117582368135747E-20	2.117582368135747E-20
1	

FIG. 2

UCCUCGCGGCCCUAGCGCGUGCCGCCACUUGACCCUUGCCCGAUGCAGUGCCAAUCCGCGCGUAUCCGCGCGAUCCGCGCGUCCGCCAUCCGCGAG
ACUAGCGGCACACUCCCGCAGCGAU

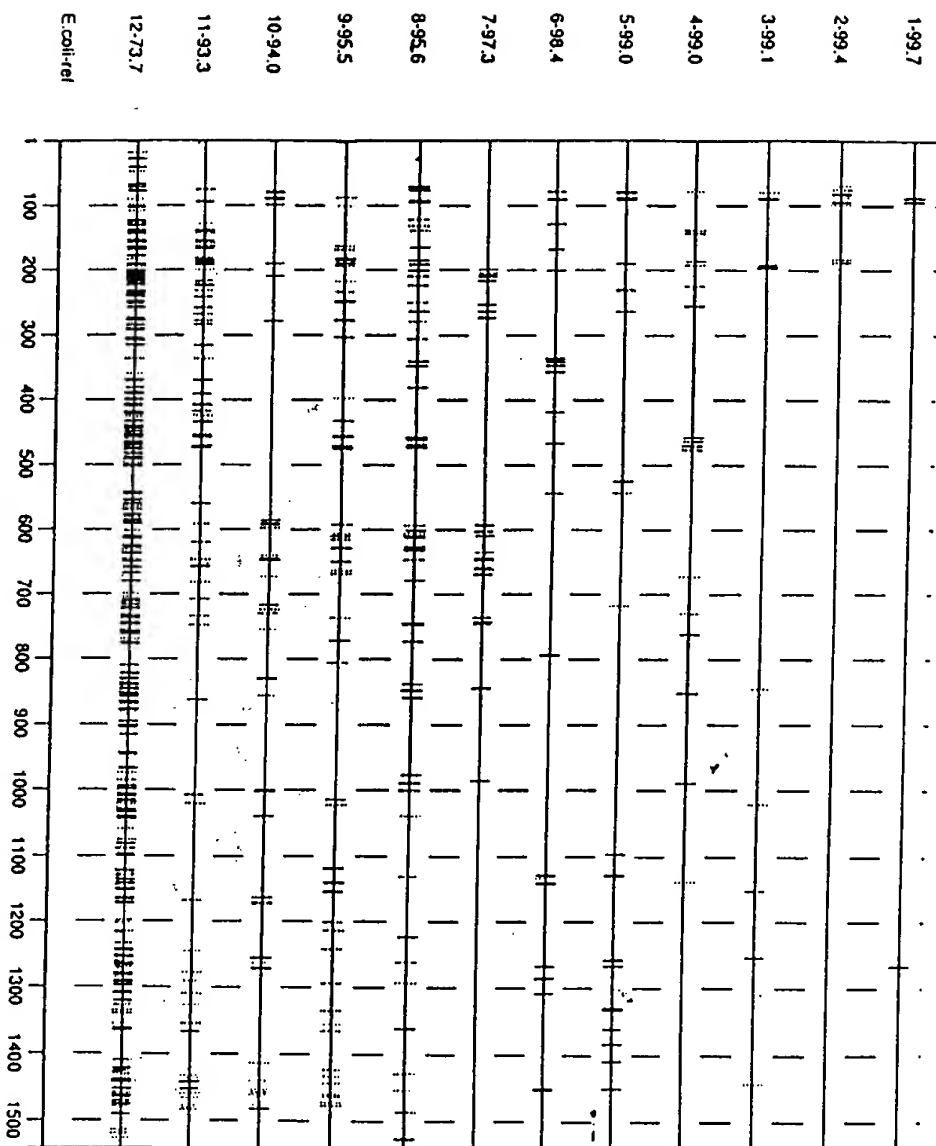
120

FIG. 3

[illegible]

[illegible]

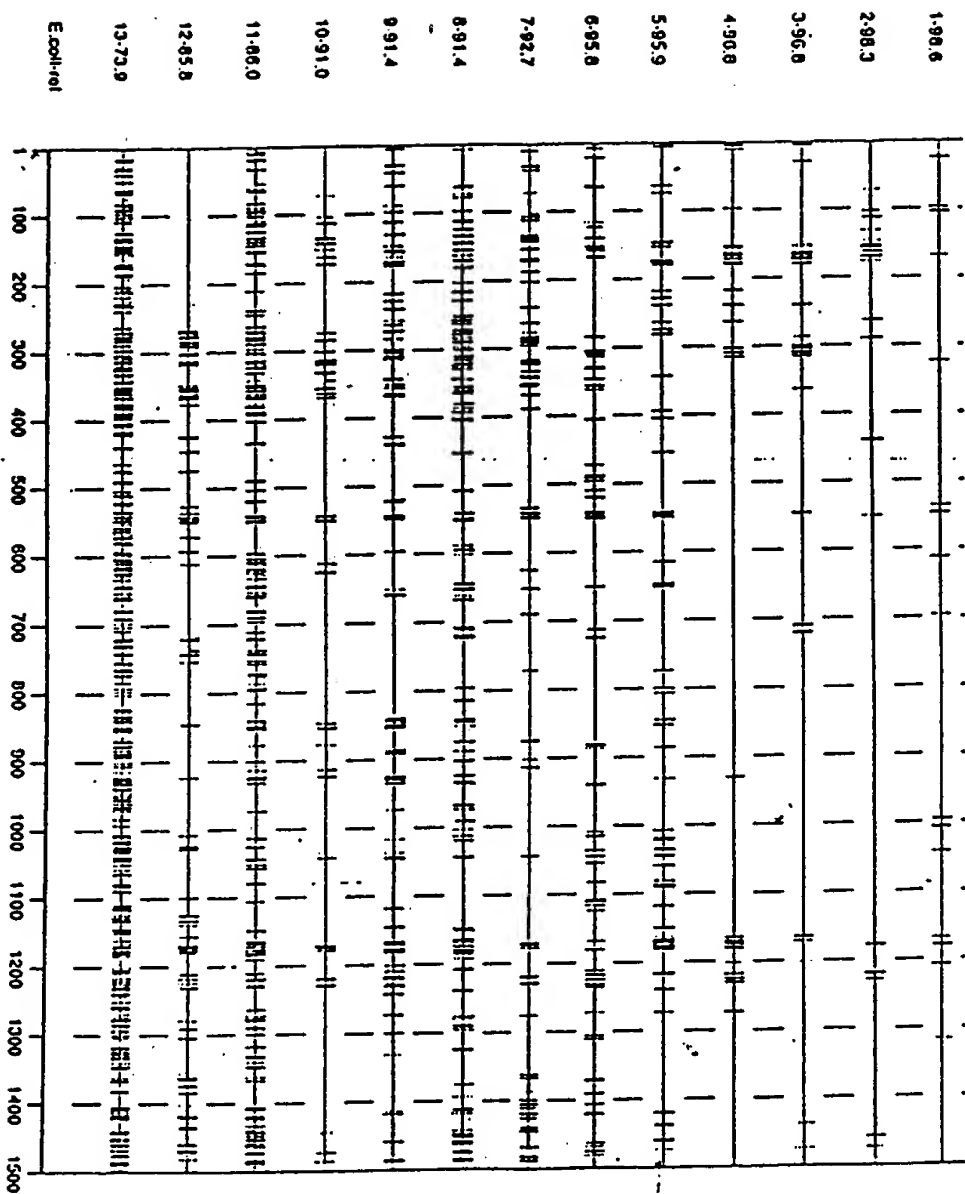
FIG. 6
Summary of 16S rRNA Analysis



LEGEND: Summary of 16S rRNA Analysis (Listing of Bacteria and percent similarity included in analysis)

1. 99.7% *Clostridium botulinum* G-Clostridium subterminale; 2. 99.4% *Streptococcus cremoris*-*Streptococcus lactis*; 3. 99.1% *Lactobacillus lactis*-*Lactobacillus delbrueckii*;
4. 99.0% *Neisseria gonorrhoeae*-*Neisseria meningitidis*; 5. 99.0% *Mycobacterium intracellulare* *Mycobacterium avium*; 6. 98.4% *Mycobacterium avium*-*Mycobacterium tuberculosis*; 7. 97.3% *Pseudomonas alcaligenes*-*Pseudomonas stutzeri*; 8. 95.6% *Chlamydia psittaci*-*Chlamydia trachomatis*;
9. 95.5% *Spiroplasma citri*-*Spiroplasma mirum*; 10. 94.0% *Clostridium lituseburense*-*Clostridium sodellii*; 11. 93.3% *Listeria monocytogenes*-*Brochothrix thermosphacta*; 12. 73.7% *Escherichia coli*-*Bacteroides fragilis*.

FIG. 7
Summary of 23S rRNA Analysis

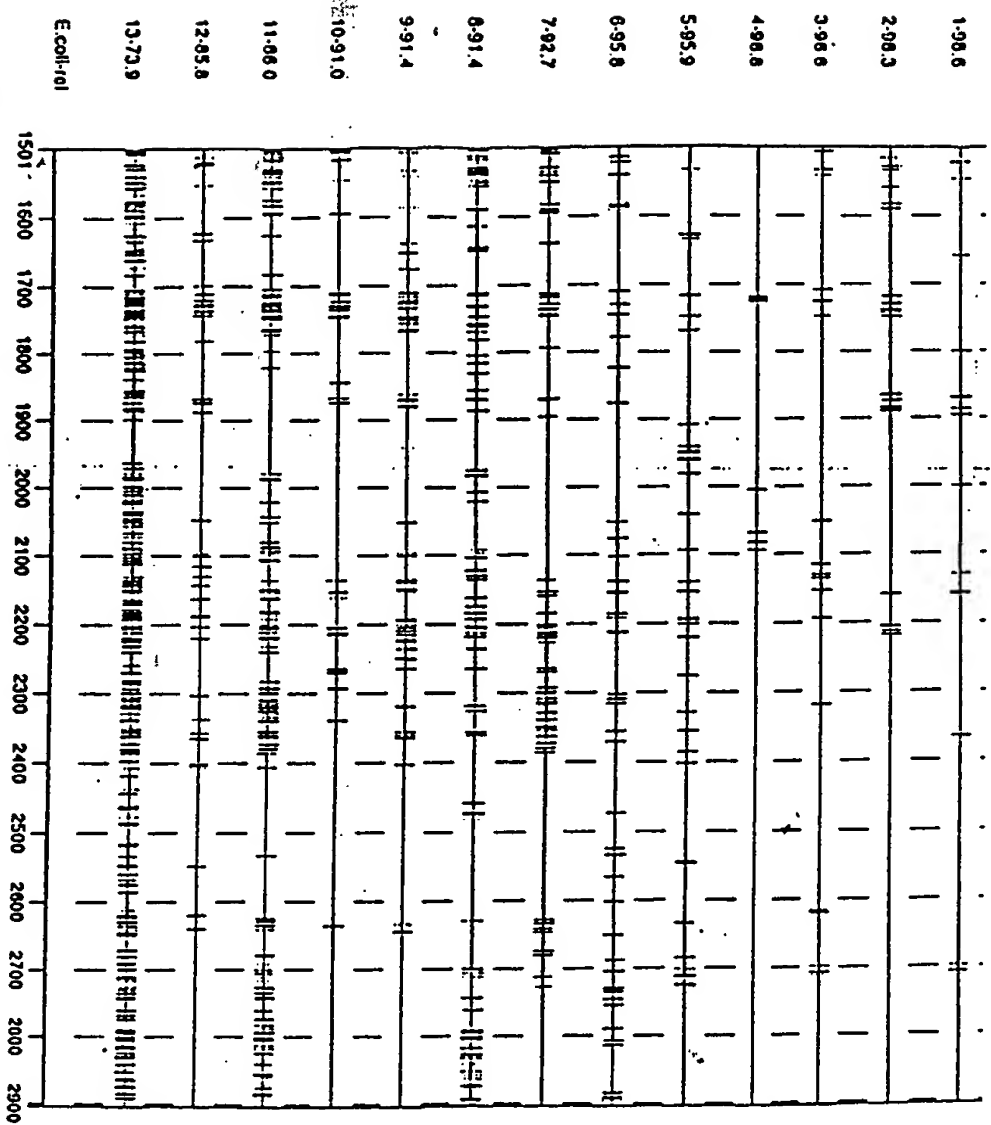


LEGEND: Summary of 23S rRNA Analysis (Listing of Bacteria and percent similarity included in analysis)

1. 98.6% *Neisseria gonorrhoeae*-*Neisseria meningitidis*; 2. 98.3% *Proteus mirabilis*-*Proteus vulgaris*; 3. 96.8% *Mycobacterium intracellulare*-*Mycobacterium avium*; 4. 96.8% *Mycobacterium avium*-*Mycobacterium intracellulare*-*Mycobacterium tuberculosis*-*Mycobacterium kansasii*; 5. 95.9% *Nicotiana tabacum* (tobacco)-*Zea mays* (maize); 6. 95.8% *Proteus vulgaris*-*Klebsiella rhinoscleromatis*; 7. 92.7% *Proteus vulgaris*-*Mycobacterium intracellulare*-*Mycobacterium fortuitum*; 8. 91.4% *Bacillus stearothermophilus*-*Bacillus subtilis*; 9. 91.4% *Chlamydia trachomatis*-*Chlamydia psittaci*; 10. 91.0% *Escherichia coli*-*Klebsiella rhinoscleromatis*; 11. 86.0% *Escherichia coli*-*Pseudomonas aeruginosa*; 12. 85.8% *Chlamydia trachomatis*-*Chlamydia psittaci*; 13. 73.9% *Escherichia coli*-*Anacystis nidulans*.

FIG. 8

Summary of 23S rRNA Analysis



LEGEND: Summary of 23S rRNA Analysis (Listing of Bacteria and percent similarity included in analysis)

1. 98.6% *Neisseria gonorrhoeae*-*Neisseria meningitidis*; 2. 98.3% *Proteus mirabilis*-*Proteus vulgaris*; 3. 96.6% *Mycobacterium intracellulare*-*Mycobacterium avium*; 4. 96.6% *Mycobacterium avium*-*Mycobacterium tuberculosis*; 5. 95.9% *Mycobacterium tuberculosis*-*Mycobacterium kansasii*; 6. 95.8% *Nicotiana tabacum* (tobacco)-*Zea mays* (maize); 7. 92.7% *Proteus vulgaris*-*Klebsiella rhinoscleromatis*; 8. 91.4% *Bacillus stearothermophilus*-*Bacillus subtilis*; 9. 91.4% *Mycobacterium intracellulare*-*Mycobacterium fortuitum*; 10. 91.0% *Escherichia coli*-*Klebsiella rhinoscleromatis*; 11. 86.0% *Escherichia coli*-*Pseudomonas aeruginosa*; 12. 85.8% *Chlamydia trachomatis*-*Chlamydia psittaci*; 13. 73.9% *Escherichia coli*-*Anacystis nidulans*.

Summary of 16S rRNA PROBE locations

08/454529

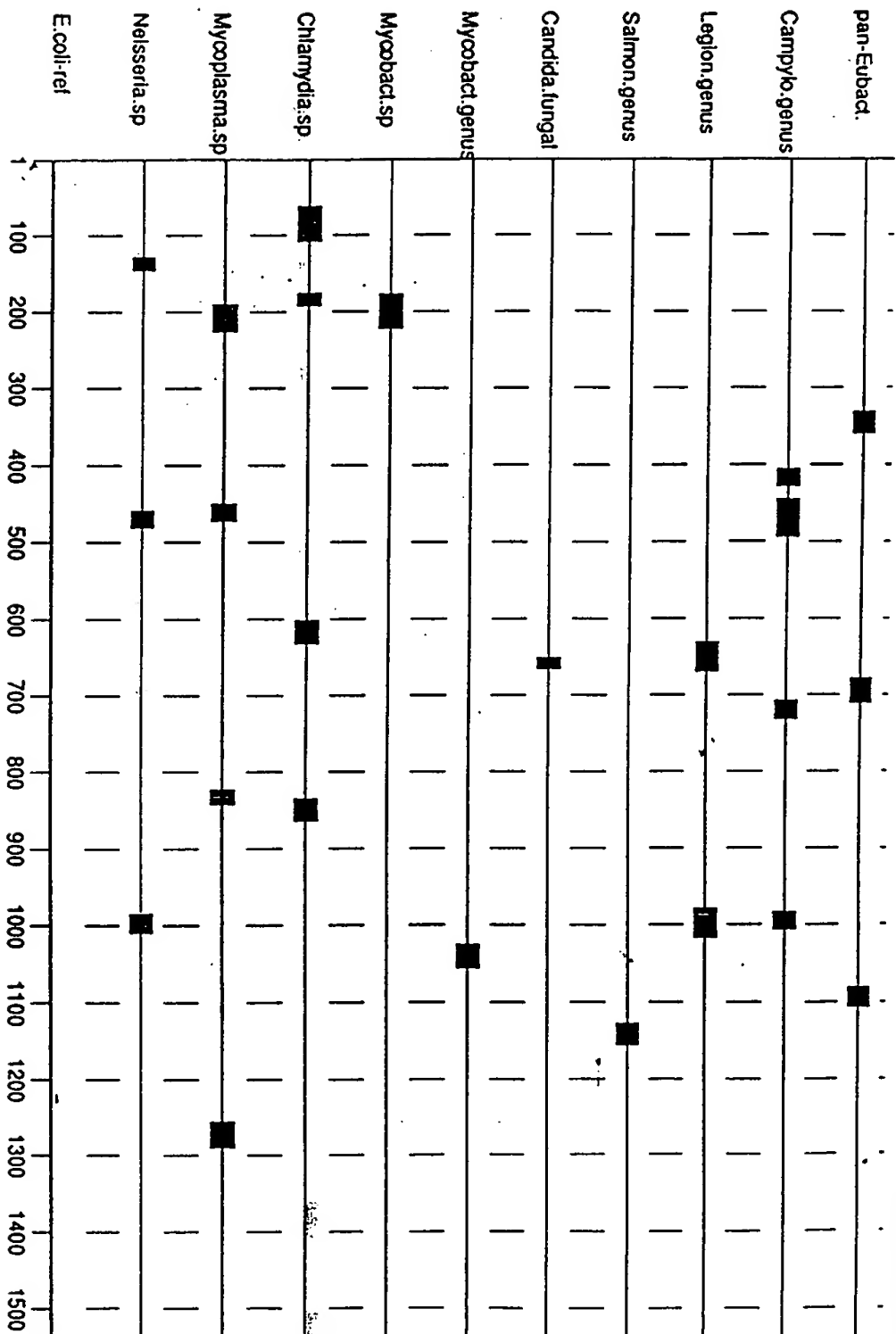


FIG. 9

Summary of 23S rRNA PROBE locations

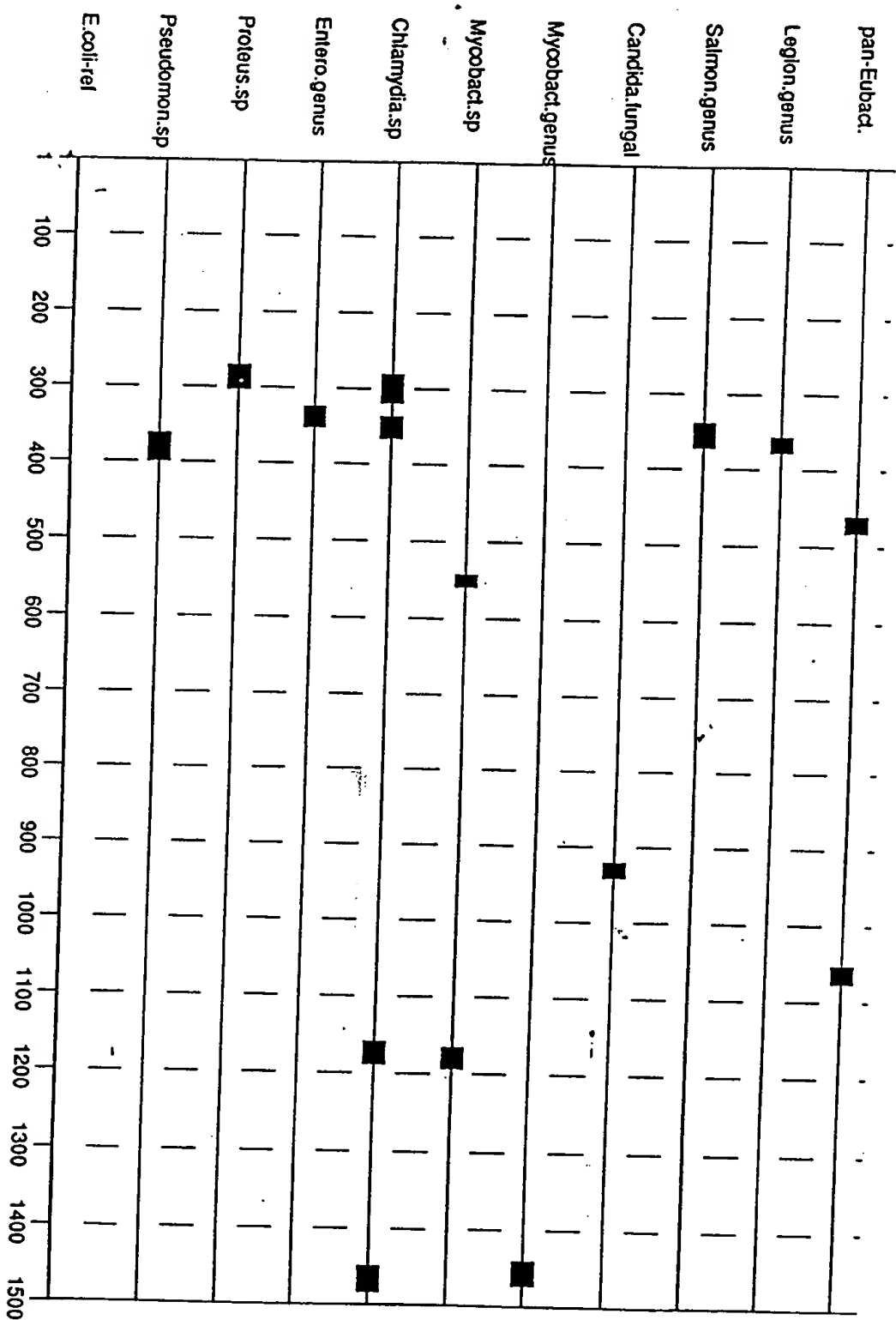


FIG. 10

Summary of 23S rRNA PROBE locations

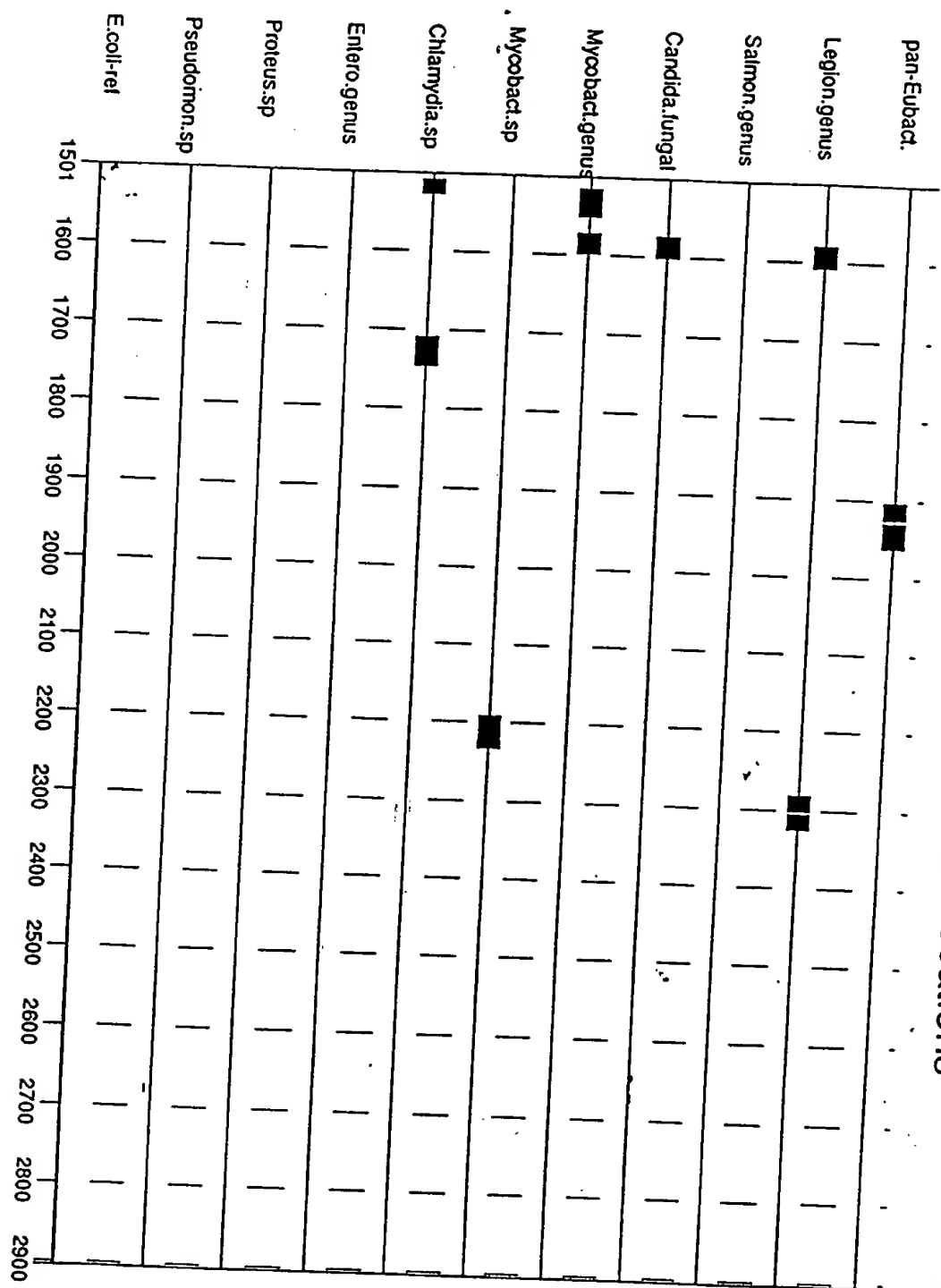


FIG. 11